

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| L1    | 15   | ((CF.u/c. or FC.u/c. or "F.sub."?"C.sub."? or "C.sub."?"F.sub."? or fluorocarbon or ((fluorine or fluorinat\$3) near3 carbon)) near5 gas) same (radical with (nitrogen or "N.sub.2")) and @ad<"20030815"              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/12/08<br>07:30 |
| L2    | 1    | ((CF.u/c. or FC.u/c. or "F.sub."?"C.sub."? or "C.sub."?"F.sub."? or fluorocarbon or ((fluorine or fluorinat\$3) near3 carbon)) near5 source near5 gas) and (radical near8 (nitrogen or "N.sub.2")) and @ad<"20030815" | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/12/08<br>07:33 |
| L3    | 67   | ((CF.u/c. or FC.u/c. or "F.sub."?"C.sub."? or "C.sub."?"F.sub."? or fluorocarbon or ((fluorine or fluorinat\$3) near3 carbon)) near5 gas) and (radical near8 (nitrogen or "N.sub.2")) and @ad<"20030815"              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/12/08<br>07:34 |
| L4    | 55   | ((CF.u/c. or FC.u/c. or "F.sub."?"C.sub."? or "C.sub."?"F.sub."? or fluorocarbon or ((fluorine or fluorinat\$3) near3 carbon)) near5 (film or layer)) and (radical near8 (nitrogen or "N.sub.2")) and @ad<"20030815"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/12/08<br>07:36 |
| S59   | 681  | 438/623.ccls. and @ad<"20030815"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/12/07<br>12:54 |

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| S60 | 1628 | 438/780.ccls. and<br>@ad<"20030815"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>12:54 |
| S61 | 352  | 438/798.ccls. and<br>@ad<"20030815"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>12:54 |
| S62 | 1644 | 257/E23.167.ccls. and<br>@ad<"20030815"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>12:54 |
| S63 | 1    | (S59 or S60 or S61 or<br>S62) and<br>@pd>"20090401"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>12:54 |
| S64 | 3997 | (S59 or S60 or S61 or<br>S62)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>12:55 |
| S65 | 7    | (US-20030025209-\$ or US-<br>20020046808-\$ or US-<br>20010042513-\$ or US-<br>20030084587-\$ or US-<br>20030116854-\$).did. or<br>(US-5989998-\$ or US-<br>6107192-\$).did. | US-PGPUB;<br>USPAT  | OR | ON | 2009/12/07<br>13:14 |
| S66 | 1    | S65 and (radical with<br>(nitrogen or "N.sub.2" or<br>N))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>13:15 |

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| S67 | 50 | (US-20060223306-\$ or US-20070077737-\$ or US-20030025209-\$ or US-20030168008-\$ or US-20030192568-\$ or US-20020135636-\$ or US-20040016508-\$ or US-20030013313-\$ or US-20020088707-\$ or US-20020037684-\$ or US-20040161946-\$ or US-20040157466-\$ or US-20030203655-\$ or US-20030003771-\$ or US-20020046808-\$ or US-20040157457-\$ or US-20040203223-\$ or US-20010042513-\$ or US-20030052086-\$ or US-20040229475-\$ or US-20040092095-\$ or US-20030220708-\$ or US-20030123216-\$ or US-20030084587-\$ or US-20040121585-\$ or US-20040087169-\$).did. or (US-20030116854-\$).did. or (US-7329609-\$ or US-6686293-\$ or US-6033990-\$ or US-5876838-\$ or US-5097177-\$ or US-4696686-\$ or US-6518169-\$ or US-6157083-\$ or US-6770575-\$ or US-6755932-\$ or US-6620739-\$ or US-6558756-\$ or US-6180531-\$ or US-6127004-\$ or US-5989998-\$ or US-5866920-\$ or US-6042687-\$ or US-6013155-\$ or US-5587038-\$ or US-4691662-\$ or US-6107192-\$ or US-6793833-\$).did. or (WO-2005017990-\$).did. | US-PGPUB;<br>USPAT;<br>DERWENT  | OR | ON | 2009/12/07<br>13:35 |
| S68 | 7  | S67 and (radical with (nitrogen or "N.sub.2" or N))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>13:37 |

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| S69 | 216 | ((CF.u/c. or FC.u/c. or "F.sub."?"C.sub."? or "C.sub."?"F.sub."? or fluorocarbon or ((fluorine or fluorinat\$3) near3 carbon)) near5 (layer or film or dielectric or insulat\$3)) and (radical with (nitrogen or "N.sub.2" or N)) and @ad<"20030815"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>13:42 |
| S70 | 139 | ((CF.u/c. or FC.u/c. or "F.sub."?"C.sub."? or "C.sub."?"F.sub."? or fluorocarbon or ((fluorine or fluorinat\$3) near3 carbon)) near5 (layer or film or dielectric or insulat\$3)) and (radical near8 (nitrogen or "N.sub.2" or N)) and @ad<"20030815" | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>13:44 |
| S71 | 61  | ((CF.u/c. or FC.u/c. or "F.sub."?"C.sub."? or "C.sub."?"F.sub."? or fluorocarbon or ((fluorine or fluorinat\$3) near3 carbon)) near5 (layer or film or dielectric or insulat\$3)) and (radical near8 (nitrogen or "N.sub.2")) and @ad<"20030815"      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>13:47 |
| S72 | 24  | ((CF.u/c. or FC.u/c. or "F.sub."?"C.sub."? or "C.sub."?"F.sub."? or fluorocarbon or ((fluorine or fluorinat\$3) near3 carbon)) near10 (dens\$6) near10 (nitrogen or "N.sub.2")) and @ad<"20030815"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>14:25 |
| S73 | 585 | ((CF.u/c. or FC.u/c. or "F.sub."?"C.sub."? or "C.sub."?"F.sub."? or fluorocarbon or ((fluorine or fluorinat\$3) near3 carbon)) near10 (argon or Ar.m/c.) near10 (nitrogen or "N.sub.2")) and @ad<"20030815"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>14:27 |

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| S74 | 28 | ((CF.u/c. or FC.u/c. or "F.sub."?"C.sub."? or "C.sub."?"F.sub."? or fluorocarbon or ((fluorine or fluorinat\$3) near3 carbon)) near5 (film or layer) near10 (argon or Ar.m/c.) near10 (nitrogen or "N.sub.2")) and @ad<"20030815"                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>14:28 |
| S75 | 2  | ("2004/0161946").URPN.  | USPAT   | OR | ON | 2009/12/07<br>14:31 |
| S76 | 94 | ((CF.u/c. or FC.u/c. or "F.sub."?"C.sub."? or "C.sub."?"F.sub."? or fluorocarbon or ((fluorine or fluorinat\$3) near3 carbon)) near5 (layer or film or dielectric or insulat\$3)) and (radical with (nitrogen or "N.sub.2")) and @ad<"20030815"                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>15:22 |
| S77 | 33 | S76 not S71   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>15:22 |
| S78 | 1  | ((CF.u/c. or FC.u/c. or "F.sub."?"C.sub."? or "C.sub."?"F.sub."? or fluorocarbon or ((fluorine or fluorinat\$3) near3 carbon)) near5 (layer or film or dielectric or insulat\$3)) same (radical with (nitrogen or "N.sub.2") with (argon or Ar)) and @ad<"20030815" | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/07<br>15:23 |

### EAST Search History (Interference)

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12/ 8/ 2009 10:02:11 AM

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